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29 July 1954

Please  
File

MEMORANDUM FOR THE RECORD

SUBJECT: [ ] - 19 July 1954

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Burial Packaging

Examination was made of a radio that had been given to TSS/MD for testing in the humidity cabinet at St. <sup>ONE</sup> ~~ONE~~ ~~ONE~~. This set had been placed in a cardboard box, scrim bag, and then not dipped. It had been held at 160°F. and 90% R.H. for over two weeks.

Results:

1. Set had some traces of oil on the surface but appeared otherwise dry.
2. Color indicator packed with set indicated about 10% R.H. However, this indicator was oil soaked and after two weeks' exposure to atmospheric conditions had not changed color. It is apparent that the indicator was not giving any true indicator of the R.H. inside the box.
3. The Silica Gel bags packed with the set were weighed and showed no appreciable increase in weight. The gel appeared dry and unchanged.
4. A great amount of oily exudation was noticed on the interior of the box. The cardboard liner was oil soaked in many places.

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[ ] Fifty striker mechanisms from the [ ] were secured from Hatch and brought back to Quarters Eye. Such mechanisms are to be used in future tests with the new [ ] simulator from UMC.

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Burial Container

A call was placed to Earl Meyers and the following transmitted:

1. He will not place any hardware on box without consulting [ ]

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2. He will not weld without us.
3. Boxes will be constructed with less compression than the current model for testing.

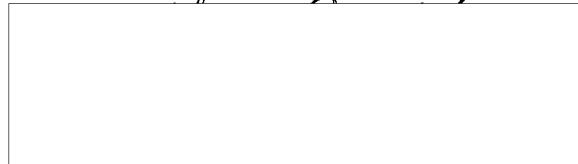
Hatch was instructed to:

1. Place one can in tank at 10 ft. of water for one week.
2. Place one can in cabinet at 140°F., maximum humidity, for one week.

Container, Underwater Storage

The cans built under previous contract with [redacted], were examined for possible usefulness in the new [redacted] program. There are 20 galvanized and 9 reinforced stainless. These all appear to be useful and steps will be taken to ship to [redacted] has stated these should result in a saving on the new program.

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TSS/MD [redacted] tu

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Distribution:

- ~~Orig.~~ - Burial Packaging, '54 File
- 1 - Burial Container, '54 File
- 1 - Container, Underwater Storage File
- 1 - [redacted], '54 File

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(For Orig. Only)

[redacted] EQH  
[redacted] H.B.  
[redacted] UXE  
[redacted] PT

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